

Product name:

Product code:

Batch:

Best before date:

Castor Oil, Refined

OL720

21980

11/2027

General identification data

Parameter	Value
Botanical source	Ricinus communis L.
CAS No.	8001-79-4
EC number	232-293-8
Product color	Transparent, Yellow
HS code	15153090
INCI	Ricinus Communis Seed Oil
Country of origin	India
Grade	Cosmetic Grade, Food Grade
Processing method	Mechanical Pressing, Refining
Origin of product	Vegetable
Storage conditions	Protect from light, Store in a cool place, Store in a dry and clean environment, Keep container tightly closed
Odour	Odourless
Appearance	Oil solution

Analytical parameters

Parameter	Value	Range
Acid value (mg KOH/g)	1.29	< 2.0
Hydroxyl value (mg KOH/g)	162.13	160.0 - 169.0
Refractive index at 20 °C	1.4787	1.477 - 1.481
Iodine value (g I2/100 g)	85.17	82.0 - 88.0
Unsaponifiable matter (%)	0.34	< 0.8
Water content (%)	0.17	< 0.3
Optical rotation (°)	4.1	3.5 - 6.0

Handymade s.r.o.

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Analytical parameters		
Parameter	Value	Range
Peroxide value (meq O2/kg)	2.53	< 10.0
Saponification value (mg KOH/g)	180.39	176.0 - 186.0
Specific absorbance	1.224	0.7 - 1.5
Specific density at 20 °C (g/cm3)	0.9568	0.950 - 0.969
Free fatty acids (%)	0.645	< 1.0
Fatty acid profile		
Parameter	Value	Range
Alpha-linolenic acid C18:3	0.47	< 1.0
Eicosenoic acid C20:1	0.29	< 1.0
Linoleic acid C18:2	5.52	2.5 - 7.0
Oleic acid C18:1	4.33	2.5 - 6.0
Palmitic acid C16:0	1.3	1.0 - 2.0
Ricinoleic acid C18:1	86.24	85.0 - 92.0
Stearic acid C18:0	1.53	< 2.5

All data and facts above are taken from the certificate provided by the manufacturer. This certificate confirms that the product meets all specified quality parameters and regulatory requirements.

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